CS1301 Programming Assignment#5

9/12/2016 MyMoney5

Fares

1. Write an application named MyMoney5 that prompts the user to enter name, course, and an amount as strings. The amount could be: 11, 11.5, 11.25. 11.275. Your program should extract the dollar amount before the decimal point and the cents after the decimal point. If no decimal fraction provided, append “00”, if one decimal digit entered, append “0”, if three or more decimal digits entered, just pick the first two decimal digits.
2. Second part of the program is to find the number of one dollars, number of quarters, number of dimes, number of nickels, and number of pennies.
3. You may use the following:
   1. indexOf
   2. substring
   3. Integer.parseInt
   4. %
4. Make sure you document your class and methods.
5. Indent all methods inside class
6. Indent all statements inside methods.
7. Have empty lines between methods
8. Bonus: You may handle also, number of 100, 50, 20, 10, and 5 dollars bills.
9. Attach via BlazeView the following items: (1) a single page report named MyReport5 with your name, class, date, and program title. The report should include what you learned from the programming assignment, problems faced, skills learned, your observations, and a sample output. (2) MyMoney5.java, and (3) MyOutput5.
10. Zip all files into a single file.

Sample output (three runs)

Enter the amount in the form of 11, 11.5, 11.25, or 11.257: 11.26

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Name: John Smith

Course: CS1301

Date: Mon Sep 12 13:05:21 EDT 2016

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Your original amount: 11.26

Original amount is cents is: 1126 consists of

11 dollars

1 quarters

0 dimes

0 nickels

1 pennies

Enter the amount in the form of 11, 11.5, 11.25, or 11.257: 11.4

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Name: John Smith

Course: CS1301

Date: Mon Sep 12 13:06:08 EDT 2016

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Your original amount: 11.4

Original amount is cents is: 1140 consists of

11 dollars

1 quarters

1 dimes

1 nickels

0 pennies

Enter the amount in the form of 11, 11.5, 11.25, or 11.257: 11.376

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Name: John Smith

Course: CS1301

Date: Mon Sep 12 13:07:03 EDT 2016

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Your original amount: 11.376

Original amount is cents is: 1137 consists of

11 dollars

1 quarters

1 dimes

0 nickels

2 pennies